Contents

Albanese, C., Fröhlich, J.: Perturbation Theory for Periodic Orbits in a Class of Infinite Dimensional Hamiltonian Systems 193

Avellaneda, M., Majda, A. J.: An Integral Representation and Bounds on the Effective Diffusivity in Passive Advection by Laminar and Turbulent Flows 339

Barata, J. C. A.: Scattering States of Charged Particles in the $\mathbf{Z}_2$ Gauge Theories 175

Barata, J. C. A., Fredenhagen, K.: Particle Scattering in Euclidean Lattice Field Theories 507

Bazhanov, V. V., Kashaev, R. M., Mangazeev, V. V., Stroganov, Yu. G.: $(Z_N\times)^{n-1}$ Generalization of the Chiral Potts Model 393

Beals, R., Sattinger, D. H.: On the Complete Integrability of Completely Integrable Systems 409

Binegar, B., Zierau, R.: Unitarization of a Singular Representation of $SO(p,q)$ 245

Bordemann, M., Hoppe, J., Schaller, P., Schlichenmaier, M.: $gl(\infty)$ and Geometric Quantization 209

Burghelea, D., Friedlander, L., Kappeler, T.: On the Determinant of Elliptic Differential and Finite Difference Operators in Vector Bundles over S^1 1

Chern, I.-L.: Multiple-Mode Diffusion Waves for Viscous Nonstrictly Hyperbolic Conservation Laws 51

Cotta-Ramusino, P., Rinaldi, M.: On the Algebraic Structure of Link Diagrams on a 2-Dimensional Surface 137

Dell' Antonio, G., Zwanziger, D.: Every Gauge Orbit Passes Inside the Gribov Horizon 291

Distler, J., Nelson, P.: Topological Couplings and Contact Terms in 2d Field Theory 273

Efrat, I.: Determinants of Laplacians on Surfaces of Finite Volume *(Erratum)* 607

Eskin, G., Ralston, J.: Inverse Backscattering in Two Dimensions 451

Felder, G., Wieczerkowski, C.: Topological Representations of the Quantum Group $U_q(sl_2)$ 583

Fredenhagen, K. → Barata, J. C. A. 507

Frenkel, I., Moore, G.: Simplex Equations and Their Solutions 259

Friedlander, L. → Burghelea, D. 1

Fröhlich, J. → Albanese, C. 193

Gervais, J.-L.: Solving the Strongly Coupled 2D Gravity. 1. Unitary Truncation and Quantum Group Structure 301

Halpern, M. B., Obers, N. A.: Graph Theory, $SO(n)$ Current Algebra and the Virasoro Master Equation 63

Hoppe, J. → Bordemann, M. 209

Juriev, D.: Local Conformal Field Algebras 569

Kappeler, T. → Burghelea, D. 1

Kashaev, R. M. → Bazhanov, V. V. 393

Katok, A., Knieper, G., Weiss, H.: Formulas for the Derivative and Critical Points of Topological Entropy for Anosov and Geodesic Flows 19

Knieper, G. → Katok, A. 19

Koch, H., Wittwer, P.: On the Renormalization Group Transformation for Scalar Hierarchical Models 537

Krámli, A., Simányi, N., Szász, D.:
A "Transversal" Fundamental Theorem for Semi-Dispersing Billiards *(Erratum)* 207

Linnér, A.: Curve-Straightening in Closed Euclidean Submanifolds 33

Majda, A. J. → Avellaneda, M. 339
Mangazeev, V. V. → Bazhanov, V. V. 393
Martinec, E. J.: On the Origin of Integrability in Matrix Models 437
McInnes, B.: Gauge Theory in Witten's Approach to the Generation Problem 107
Moore, G. → Frenkel, I. 259

Nelson, P. → Distler, J. 273

Obers, N. A. → Halpern, M. B. 63
O'Carroll, M. → Schor, R. 487

Ralston, J. → Eskin, G. 451
Rinaldi, M. → Cotta-Ramusino, P. 137

Sattinger, D. H. → Beals, R. 409
Schaller, P. → Bordemann, M. 209
Schlichenmaier, M. → Bordemann, M. 209
Schor, R., O'Carroll, M.: Low Temperature Properties of the Hierarchical Classical Vector Model 487
Simányi, N. → Krámli, A. 207
Stroganov, Yu. G. → Bazhanov, V. V. 393
Szász, D. → Krámli, A. 207

Vargas, E.: Markov Partition in Non-Hyperbolic Interval Dynamics 521

Weiss, H. → Katok, A. 19
Wieczerkowski, C. → Felder, G. 583
Wittwer, P. → Koch, H. 537

Zierau, R. → Binegar, B. 245
Zwanziger, D. → Dell'Antonio, G. 291

Indexed in *Current Contents*
Evaluated and abstracted for *PHYS* on *STN*